

## ASTD/TDI Project Static Report

### *Maintenance-Free Mixer for Active Process Tanks*

<b>Focus Area:</b>	Tanks Focus Area	<b>Focus Area Manager:</b>	Marcus Glasper, (509) 372-4012
<b>TTP No.:</b>	SR09WT41	<b>Principal Investigator:</b>	Gary Johnson, (803) 208-8026
<b>Lead Site:</b>	Savannah River		
<b>Project No.:</b>	99-ASTD-25	<b>Technology Vendor(s)/Commercial Partner(s):</b>	
<b>Tech ID/TMS No.:</b>	NONE		AEA Technologies
<b>Related Publication(s):</b>	DOE/EM-0447		

**Web Page(s):**

**Description:** This technology, based on similar power fluidic mixers proven through years of operation in the United Kingdom, uses no moving parts to mobilize and mix settled solids with supernate in radioactive waste tanks. The system will be used to prepare the tank contents for transfer into the larger HLW tanks to support sludge transfers to DWPF.

**Application:** Small and medium sized radioactive waste tanks requiring mobilization and mixing of waste containing settled solids prior to transfer or processing.

**Location(s):** Pump Tank at SRS

**Technology(ies):**

Power Fluidics Mixer Technology - AEA Technologies

	<b>Funding (\$K):</b>	<b><u>FY-98</u></b>	<b><u>FY-99</u></b>	<b><u>FY-00</u></b>	<b><u>FY-01</u></b>	<b><u>Total</u></b>
<b>TTP No.:</b>	SR09WT41	\$0	\$432	\$0	\$0	\$432
<b>Leverage Source:</b>	EM-30					\$433
						\$865
					<b>Funding Total (\$K):</b>	\$865

<b>Cost Savings (\$M):</b>	<b><u>Proposal</u></b>	<b><u>Deployment Plan/TTP</u></b>	<b><u>Current Focus Area Projection</u></b>
	Pending	Pending	\$168